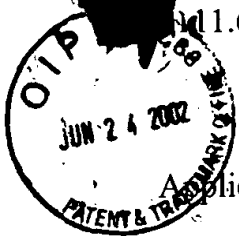


11.64360



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Sato et al.

Serial No.: 09/581,468

Filed: June 12, 2000

For: MAGNETIC SENSOR,
MAGNETIC HEAD
MAGNETIC ENCODER
AND HARD DISK
DEVICE

Art Unit: 2653

Examiner: Not Assigned

I hereby certify that this paper is being deposited with the United States Postal Service as FIRST-CLASS mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on this date.

Date
F-CLASS, WCM

Appr. February 20, 1998

Registration No. 29367

Attorney for Applicant

RECEIVED

JUN 27 2002

Technology Center 2600

TRANSMITTAL

Assistant Commissioner for Patents
Washington, DC 20231

Sir: -

- (X) Enclosed is an IDS and PTO Form 1449 (with copies of cited references) to be filed in the above-referenced application.
- (X) If a Petition under 37 C.F.R. §1.136(a) for an extension of time for response is required to make the attached response timely and does not separately accompany this transmittal, Applicant(s) hereby petition(s) under 37 C.F.R. §1.136(a) for an extension of time for response in the above-identified application for the period required to make the attached response timely.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required to this application under 37 C.F.R. §§1.16-1.17, or credit any overpayment, to Deposit Account No. 07-2069. A duplicate copy of this sheet is enclosed.

GREER, BURNS & CRAIN, LTD.

June 20, 2002

Suite 2500
300 South Wacker Drive
Chicago, Illinois 60606
(312) 360-0080
Customer Number 24978
K:\1111\64360\IDS-TRNS.DOC

By

Patrick G. Burns
Registration No. 29,367

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Sato et al.)

Serial No.: 09/581,468)

Filed: June 12, 2000)

For: MAGNETIC SENSOR,)
MAGNETIC HEAD)
MAGNETIC ENCODER)
AND HARD DISK)
DEVICE)

Art Unit: 2653)

Examiner: Not Assigned)

I hereby certify that this paper is being deposited with the United States Postal Service as FIRST-CLASS mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on this date.

Date

F-CLASS.WCM

Appr. February 20, 1998

Registration No. 29367

Attorney for Applicant

RECEIVED**JUN 27 2002****Technology Center 2600**INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with 37 C.F.R. §§1.56, 1.97 and 1.98, Applicant through counsel herewith submits copies of the publications as set forth in the attached form PTO-1449 as follows:

U.S. PATENT DOCUMENTS

<u>DOCUMENT NO.</u>	<u>PATENTEE</u>	<u>PUBLICATION DATE</u>
5,206,590	Dieny et al.	April 27, 1993
5,650,958	Gallagher et al.	July 22, 1997

FOREIGN PATENT DOCUMENTS

<u>DOCUMENT NO.</u>	<u>COUNTRY</u>	<u>PUBLICATION DATE</u>
8-21166	Japan	March 4, 1996
9-106514	Japan	April 22, 1997
9-251618	Japan	September 22, 1997
9-282616	Japan	October 31, 1997
10-4227	Japan	January 6, 1998
59-195312	Japan	November 6, 1984
5-250631	Japan	September 28, 1993
63-229609	Japan	September 26, 1988

REMARKS

Applicant respectfully requests that the Examiner consider the above-listed references in the examination of this application and list these references of record in the application.

Respectfully submitted,

GREER, BURNS & CRAIN, LTD.



By

Patrick G. Burns
Registration No. 29,367

June 20, 2002

300 South Wacker Drive
Suite 2500
Chicago, Illinois 60606
Telephone: 312.360.0080
Facsimile: 312.360.9315